



Product: [FS3H0246G](#)

Outdoor Heavy Duty Loose Tube OM3 24 Fibers

Product Description

FX Outdoor Heavy Duty Loose Tube OM3 24 Fibers OSP Corrugated Steel Tape Armor Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

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| Suitable Applications: | Outdoor, Campus Area Network, Backbone |
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Fiber Specifications

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| Fiber Type: | OM3 |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 24 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|-------------------|
| Number of Active Subunits: | 2 |
| Number of Fillers: | 3 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.098 in (2.5 mm) |
| Central Strength Member: | GRP |
| Core Wrap: | Nomex tape |
| Cable Core Waterblocking: | Waterblock Tape |

Inner Jacket Specifications

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|---------------------|--------------------------|
| Strength Member: | Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.370 in (9.4 mm) |
| Color: | Black |
| Number of Ripcords: | 2 |

Armor Specifications

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|--------------------------|-----------------------------|
| Armor Type and Material: | CST - Corrugated Steel Tape |
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Outer Jacket Specifications

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|---------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.610 in (15.5 mm) |
| Color: | Black |
| Number of Ripcords: | 2 |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|------------|--------|---------|
|------------|--------|---------|

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|--|-------------|------------|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1,000 m | 550 m |
| 10 Gigabit Ethernet Performance | 300 m | - |
| Min. Effective Modal Bandwidth (EMB) | 2000 MHz.km | - |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz.km | 500 MHz.km |

Mechanical Characteristics

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| Min. Bend Radius During Installation: | 20x Cable OD |
| Min. Bend Radius During Operation: | 10x Cable OD |
| Max. Tensile Strength During Installation: | 2670 N (600 lbf) |
| Max. Tensile Strength During Operation: | 800 N (180 lbf) |
| Crush Resistance: | 440 N/cm |
| Bulk Cable Weight: | 120 |

Temperature Range

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|---------------------------------|----------------|
| Installation Temperature Range: | -30°C to +60°C |
| Operating Temperature Range: | -40°C to +70°C |
| Storage Temperature Range: | -40°C to +70°C |

Standards and Compliance

| | |
|----------------------------|--------------------|
| Environmental Suitability: | Outdoor |
| Sustainability: | CA Prop 65 |
| ICEA Compliance: | S-87-640 |
| TIA/EIA Compliance: | ANSI/ICEA S-87-640 |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.302 Revision Date: 10-15-2024 |
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Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|-------|------------|--------------|
| FS3H0246G | Black | Reel | 612825371854 |

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